AMENDMENTS TO THE CLAIMS

Kindly add newly presented claims 30-38 as shown in the listing of claims below.

- 1 30. A multilayer optical fiber coupler, comprising:
- a first layer, said first layer having one or more fiber sockets formed by photolithographic
- masking and deep reactive ion etching to extend through said first layer, said fiber socket
- 4 <u>sized to receive and align an optical fiber therein.</u>
- 31. The optical fiber coupler of claim 30 wherein said one or more fiber sockets include two or
 - 2 <u>more fiber sockets.</u>
 - 1 32. The optical fiber coupler of claim 30, further comprising a second layer affixed to said first
 - 2 <u>layer.</u>
 - 33. The optical fiber coupler of claim 32 wherein said optical fiber has an end section that
 - 2 extends through said fiber socket.
 - 34. A method for making a plurality of monolithic optical fiber couplers that align an optical
 - 2 <u>fiber that have a predetermined diameter, comprising:</u>
 - 3 photolithographically masking and deep reactive ion etching a first layer to form a plurality
 - of through holes through the first layer, thereby forming a plurality of cylindrical fiber
 - sockets in a predetermined configuration, said fiber sockets having a diameter approximately
 - 6 equal to the diameter of the optical fiber.
 - 1 35. The method of claim 34, further comprising affixing optical fibers into said fiber sockets.
 - 1 36. The method of claim 34, further comprising dicing said first layer into a plurality of chips,
 - 2 <u>said chip including one or more fiber sockets.</u>
 - 37. The method of claim 34, further comprising affixing said first layer to a second layer together
 - 2 to provide a composite wafer.
 - 1 38. The method of claim 37, further comprising dicing said composite wafer into a plurality of
 - 2 chips, said chip including one or more fiber sockets.